



TECHNICAL SPECIFICATIONS - POLYSUR® TYPE 272

	Unit/Testing standard	500/3	630/4	800/4
Construction				
Carcass type		EP	EP	EP
Warp		Polyester	Polyester	Polyester
Weft		Polyamid	Polyamid	Polyamid
Textile plies		3	4	4
Type per ply		EP 160	EP 160	EP 200
Belt thickness nom.	mm	6,5	8,2	9,2
Rubber covers top nom.	mm	1,5	2,0	2,0
Rubber covers bottom nom.	mm	1,5	2,0	2,0
Belt weight nom.	kg/m ²	11,1	12,9	13,6
Properties				
Tensile strength	N/mm	>500	>630	>800
Elongation at break	%	>10	>10	>10
Elongation at 10% working load	%	<1,5	<1,5	<1,5
Adhesion covers - plies	N/mm	>6	>6	>6
Adhesion between plies	N/mm	>6	>6	>6
Rubber properties				
Type of rubber	Polymer	NBR	NBR	NBR
Oil and fat resistance		good	good	good
Swelling in oil IRM 903	72u / 70° C. in %	<8	<8	<8
Tensile strength	Mpa	>11	>11	>11
Elongation	%	>500	>500	>500
Hardness (+/- 5°)	° Shore A	70 +/- 5	70 +/- 5	70 +/- 5
Abrasion resistance	mm ³	<200	<200	<200
Additional properties				
Temperature dry, low fat product	°C.	-25 / +80	-25 / +80	-25 / +80
Temperature fat and/or moist product	°C.	-25 / +60	-25 / +60	-25 / +60
Anti-static <3.10 ⁸	Ω in accordance with ISO	yes	yes	yes
Flame retardant	in accordance with ISO	yes	yes	yes
Minimum pulley diameter		300 mm	400 mm	450 mm
Testing norm in accordance with DIN22102, ISO 37, 251, 252, 283, 284, 340, 583, 868, 13934, 2781, 4649, 7619, 9856				

Shown values are average values.



**POLYSUR® TYPE 272
NBR-FDA WHITE
FOOD-GRADE
QUALITY**

Polysur® type 272 NBR-FDA white food-grade quality elevator belts are mainly used for elevators in the food processing industry. This belt quality is very highly resistant to oil and fat and is also flame-retardant in accordance with European norms for products combined with food.

APPLICATIONS

- flour
- rice
- sugar
- salt
- milk powders

AVAILABLE FROM STOCK

- EP 500/3 1,5+1,5 mm
- EP 630/4 2,0+2,0 mm
- EP 800/4 2,0+2,0 mm

Other constructions available on request.

Not legally binding - subject to change and terms. Version 2015 / 1.1



**YOUR TRADEMARK
FOR RELIABLE
ELEVATOR BELTS**